Vocabulary Cards

Vocabulary Word

absolute deviation

Definition

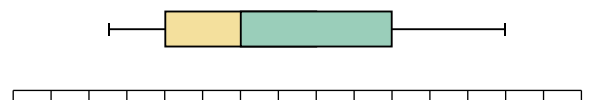the distance between each data point and the mean; a measure of variability

winter   spring   summer   fall

Vocabulary Word

box plot / box-and-whisker plot

Definition

a visual display of data on a number line that uses boxes and/or lines to divide the data set into 4 equal parts called quartiles
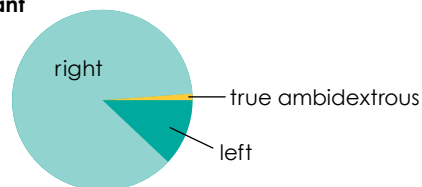
Vocabulary Cards

Vocabulary Word

circle graph / pie chart

Definition

a visual display of data in different categories that shows each category's fractional part of the whole data set

Dominant Hand

right
true ambidextrous
left

Preview

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Vocabulary Word

data

Definition

information that has been gathered; when specifically gathered and organized for analysis, it is called a data set

Vocabulary Cards

Vocabulary Word

distribution

Definition

the way a data set is arranged to show its spread across a range as well as the frequency of its data points' values

Preview

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Vocabulary Word

frequency table

Definition

a table that shows how often a value or range of values occurs in a data set, often using tally marks in the middle of three columns

needs glasses	tally	frequency
never	┼┼┼ ‖‖	9
always	‖‖	4
sometimes	‖	2

Statistics & Data Analysis

Vocabulary Cards

Vocabulary Word

gap

Definition

space between
data points with
no other collected data

0-1   2-3   4-5

Vocabulary Word

interquartile range

Definition

the difference between
the third and first quartile
of a data set (Q1 – Q3),
representing the middle 50%
of all values; one measure
of variability

Vocabulary Cards

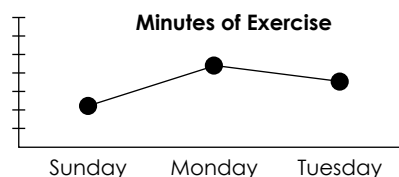## Vocabulary Word

line graph /
line chart

Definition

a visual display of data that uses connected, graphed points to show how one value in a data set changes in relation to another, usually over time

Minutes of Exercise

Sunday   Monday   Tuesday

Preview

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Vocabulary Word

mean absolute deviation

Definition

the mean (average) of all absolute deviations for a data set; one measure of variability

Vocabulary Cards

Vocabulary Word

median

Definition

in an ordered list of data points,
either the middle value
(for an odd number of data points)
or the mean of the two middle
values (for an even number
of data points);
one measure of center

Preview

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the printable version of this worksheet.

Vocabulary Word

outlier

Definition

an extreme value in
a data set, much larger
or smaller than other values,
with few or no other
nearby data points

Vocabulary Cards

Vocabulary Word	Definition
peak	the highest point of a graph or a specific cluster on a graph, often created by the mode

Preview

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Vocabulary Word	Definition
quantitative data	numerical data described with countable quantities, such as recording the heights of all students

Vocabulary Cards

Vocabulary Word

quartiles

Definition

values that divide ordered data into four sections that contain an equal number of data points

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Vocabulary Word

sample

Definition

a selection from a population chosen for data-gathering; the larger a sample size, the more reliable and useful the data gathered

Vocabulary Cards

Vocabulary Word

skew

Definition

a measure of how asymmetric
a distribution is as well as
in which direction

strongly skewed to the right

Preview

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the printable version of this worksheet.*

go to bed?

Vocabulary Word

statistics

Definition

the process of gathering,
organizing, analyzing,
and interpreting data

Vocabulary Cards

Vocabulary Word

stem-and-leaf plot

Definition

Pages Read Nightly

Data: 6, 8, 12, 13, 13, 15, 20, 21

stem	leaf
0	6 8
1	2 3 3 5
2	0 1

a visual display of data that uses a T-chart to split ordered values into one or more place value digits, such as tens and ones places

Preview

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asymmetric   symmetric

Vocabulary Word

variability (spread)

Definition

a measure of how far apart data points are from the center and from each other